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(54) Method for selecting hybridomas producing antibodies specific to inaccessible cell surface antigens.

(57) The invention provides a method for selecting hybridomas which produce antibodies specific to domains of a cell surface antigen which is usually not accessible at the surface of intact cells. The method employs the screening of the hybridoma clones obtained for the production of antibodies specific against the cell surface antigen by use of immunoblotting analysis, namely by screening the clones against antigen immobilized on a solid substrate such as nitrocellulose. The invention also includes those hybridomas and monoclonal antibodies when produced according to the method.

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	JOURNAL OF CELLULAR BIOCHEMISTRY, Supplement 9A, "UCLA Symposia on Molecular & Cellular Biology", Abstracts, 14th Annual Meetings, 12th January - 6th February 1985, page 64, no. 0151, Alan R. Liss, Inc., New York, US; N. KARTNER et al.: "Monoclonal antibodies detect P-glycoprotein" * Abstract * ---	1-14	C 12 N 5/00 C 12 P 21/00
X	CHEMICAL ABSTRACTS, vol. 101, no. 19, 5th November 1984, page 507, no. 168735w, Columbus, Ohio, US; C.J.O'HARA: "Characterization of monoclonal antibodies demonstrating specificity for drug-resistant tumor cells" & DISS. ABSTR. INT. B 1984, 45(2), 443 * Abstract * ---	1-14	
X,D	CHEMICAL ABSTRACTS, vol. 97, no. 17, 25th October 1982, page 512, no. 142881q, Columbus, Ohio, US; C.J.O'HARA et al.: "A monoclonal antibody demonstrating specificity for drug-resistant cells" & IMMUNOL. LETT. 1982, 5(1), 15-18 * Abstract * ---	1,2,13, 14	TECHNICAL FIELDS SEARCHED (Int. Cl.4)  C 12 P
X,P	BIOLOGICAL ABSTRACTS, vol. 80, no. 7, 1985, page AB-594, no. 60303, Philadelphia, PA., US; D.R.BELL et al.: "Detection of P-glycoprotein in ovarian cancer: A molecular marker associated with multidrug resistance" & J. CLIN. ONCOL. 3(3): 311-315. 1985 * Abstract * ---	1,2,3, 14 -/-	
The present search report has been drawn up for all claims			
Place of search	THE HAGUE	Date of completion of the search	Examiner
		17-11-1988	REMPP G. L. E.
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	
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## EUROPEAN SEARCH REPORT

EP 86 30 0639

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X, P	<p>NATURE, vol. 316, 29th August 1985, page 820; N.KARTNER et al.: "Detection of P-glycoprotein in multidrug-resistant cell lines by monoclonal antibodies" * The whole article *</p> <p>-----</p>	1-14	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search		Examiner
THE HAGUE	17-11-1988		REMPP G. L. E.
CATEGORY OF CITED DOCUMENTS		<p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... &amp; : member of the same patent family, corresponding document</p>	
<p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p>			